

UNIVERSITY OF LOUISVILLE

Proposed Projects Involving the State General Fund (cash or bonds)*

<u>Priority</u>	<u>Project Title / Description</u>	<u>Total Budget</u>
<u>2006-2008</u>		
1	Renovate - Capital Renewal Pool (2006-2008) The Capital Renewal Pool will allow the university to address approximately ten types of projects: roof replacement, windows, exterior building upgrades, interior building upgrades, walking surfaces, electrical upgrades, data collection and security panels, emergency generators, mechanical upgrades, and carpet/floor tile.	\$22,000,000
2	Construct - HSC Research Facility IV This authorization will allow the construction of a 140,000 gross square foot facility which is needed to further the research capacity of the Health Sciences Center. The State initiated goal of \$200,000 in research funding for UofL, and additional research space is required to reach this important goal. This new facility will provide a significant amount of new space to get UofL closer to this goal. Faculty will be recruited to allow the expansion of programs identified in the University's Challenge for Excellence, including Genetics and Molecular Medicine, Cardiovascular Disease, Neurosciences, and others tied to new faculty recruitments. The facility will also house a full service animal facility, including cage and rack wash capability, as well as, the capability of a barrier facility to protect the valuable transgenic species of mice required for today's and tomorrow's research efforts.	\$69,680,000
3	Renovate - Medical Dental Res Building, Phase IV This authorization will renovate approximately 85,544 gross square feet. The Medical Dental Research (MDR) Building is 42 years old and in need of major renovation to help the University of Louisville Health Sciences Center continue to meet its research mission.	\$19,800,000
4	Construct - Center for Predictive Medicine The Center for Predictive Medicine, a 45,000 square foot facility, would be among a small number of Level 3 Regional Biosafety Laboratories being funded by the National Institutes of Health (NIH). The lab would be built on a four acre parcel on Shelby Campus and is a key component of the university's enhanced research mission. It will play a major role in promoting the economic development of the region. The university's proposal is currently under review by NIH. <i>*Total budget includes Federal Funds of \$22,200,000.</i>	\$35,200,000*
5	Renovate - Life Sciences Building This authorization will allow renovation to correct deficiencies in the building ventilation system. Existing labs will be improved and new labs will be created in the lower level of the Life Sciences Building. In addition to the ventilation system, new lighting, new ceilings, and other repairs will be made.	\$18,240,000
6	Construct - Belknap Research & Classroom Building This authorization will allow construction of a new 120,000 GSF inter-disciplinary research / classroom facility on the Belknap Campus. The new building will provide approximately 90,000 GSF of research expansion space, including additional laboratories, laboratory support areas and principal investigators' office space for the chemistry, biology, and physics departments along with additional research space for the engineering school. The other	\$66,420,000

<u>Priority</u>	<u>Project Title / Description</u>	<u>Total Budget</u>
-----------------	------------------------------------	---------------------

30,000 GSF will be designed to include needed high-technology classrooms and student laboratories to facilitate instruction for both undergraduate/graduate students in the sciences.

2008-2010

Construct - HSC Research Facility V	\$81,126,000*
--	----------------------

This authorization will allow the construction of a 147,000 GSF facility, which is needed to further the research capacity of the Health Sciences Center. The continued recruiting of new investigators requires new research space to meet the future demands. This facility will be located adjacent to the James Graham Brown Cancer Center on the former Carmichael Building site and will provide vital research space for the research program in oncology.

**Total budget includes Agency Bond Funds of \$32,450,400.*

Renovate - Capital Renewal Pool (2008-2010)	\$18,000,000
--	---------------------

The Capital Renewal Pool will allow the university to address approximately ten types of projects: roof replacement, windows, exterior building upgrades, interior building upgrades, walking surfaces, electrical upgrades, data collection and security panels, emergency generators, mechanical upgrades, and carpet/floor tile.

2010-2012

Renovate - Capital Renewal Pool (2010-2012)	\$18,000,000
--	---------------------

The Capital Renewal Pool will allow the university to address approximately ten types of projects: roof replacement, windows, exterior building upgrades, interior building upgrades, walking surfaces, electrical upgrades, data collection and security panels, emergency generators, mechanical upgrades, and carpet/floor tile.

***Notes**

- Unless otherwise indicated, the total budget would be financed from the state General Fund (cash or bonds).
- Priority rankings were required to be assigned only to those projects proposed for 2006-08; projects for 2008-10 and 2010-12 are listed in alphabetical order.
- Descriptions are as provided in the "Brief Description and Justification" field of the agency's capital plan submission.

UNIVERSITY OF LOUISVILLE

Proposed Projects NOT Involving the State General Fund

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
<u>2006-2008</u>		
Construct - Athletic Academic Support Facility	\$5,000,000	AB
This project is to construct a 20,000 GSF facility to house the university's athletic academic support function.		
Construct - Basketball Practice Facility	\$16,140,000	AB
This authorization would allow for the construction of a free-standing basketball practice facility on Belknap Campus on what is currently a university parking lot just south of Eastern Parkway. Preliminary plans call for an approximately 53,000 gross square feet to house multiple courts, locker and office areas for both the men's and women's basketball programs.		
Construct - Boathouse for Women's Rowing Program	\$2,947,000	AB
This authorization will allow construction of a two story boathouse (14,654 gross sq. ft.) to be built on leased land (park property) adjacent to the Ohio River. The lower floor will be used for boat and equipment storage and the upper level (above flood plane) will include offices, meeting space, exercise and multipurpose locker rooms with showers, and a balcony overlooking the river.		
Construct - Cardinal Club Golf Practice Facility	\$685,000	OT-P
This authorization will allow for construction of a 3,360 gross square foot, state-of-the-art indoor practice facility at the Cardinal Club for the men's and women's golf teams, which will include offices, rest room areas, a players' lounge, locker rooms for both teams and coaches, an indoor putting green area and four instructional bays.		
Construct - Diversity Center for Excellence	\$5,898,000	RF
This project calls for the construction of a new 23,100 square feet facility that will house the current Multicultural Center, Office of Minority Affairs and the Upward Bound program (and other TRIO programs pending federal funding). The multicultural programs and services under the auspices of the Vice Provost for Diversity are housed in three different buildings.		
Construct - Executive MBA/Business Program	\$26,540,000	RF
This authorization will allow construction of a new 74,800 GSF Executive /Business studies facility in downtown Louisville. The new building will provide classroom and interactive instructional spaces for experienced professional and graduate level students seeking advanced degrees while maintaining their current professional careers.		
Construct - Glass & Visual Arts Research Center	\$3,015,000	RF
The Department of Fine Arts plans to establish a Graduate Research Center in downtown Louisville's emerging studio and gallery district. The project will convert 30,000 GSF of shell space (acquired by a 28 year lease) for graphic design, major studio and glass arts including the following academic, instructional and administrative areas: art gallery - 5000 SF, graduate student studio - 18,000 SF, Center for Curatorial Studies - 1200 SF and additional 5800 SF of auxiliary and program support space.		
Construct - HSC Parking Structure II	\$26,113,000	AB
This authorization will allow the construction of a 440,000 gross square foot parking facility with 1,500 parking spaces. The new structure will be along Hancock Street between Muhammad Ali Boulevard and Flexner Way. A total of 220 existing surface parking spaces are being displaced by new construction.		

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
Construct - Residence Hall, 500 Bed This authorization will allow the University to construct a new 500 bed residence hall on the Belknap Campus. The new hall would also provide approximately 10,000 SF for development of a west campus food service and approximately 5,000 SF for the relocation of the Residence Life administration office from Stevenson Hall.	\$33,172,000	AB
Construct - Utilities, Remove Overhead Lines This project will install six distribution circuits and one 96 kv distribution circuit underground along Floyd Street from LG&E's Floyd Street Substation to a point south of Eastern Parkway (approximately 3,000 feet).	\$2,957,000	OT-P
Expand - Ambulatory Care Bldg. Academic Addit This 198,005 gross square foot addition to the Ambulatory Care Building (ACB) will house most of the clinical departments for the School of Medicine and educational and administrative offices for the UofL Hospital. The School of Medicine has not built educational facilities since 1972 and the clinical departments' faculty numbers have more than doubled in the interim. This will allow University Medical Center, Inc. (lease UofL Hospital) to renovate the Ambulatory Care Center to become a more efficient and effective outpatient care center.	\$43,950,000	RF
Expand - Trager Field Hockey Stadium This authorization will provide for permanent seating for a minimum of 2,500 spectators, construct locker rooms, public restrooms, concession stand and coaches office space in the areas below the bleachers.	\$1,900,000	AB
Expand & Renovate - Dental School This authorization will allow the university to renovate approximately 92,000 gross square feet of the Dental School and construct a 14,300 gross square foot addition to create state-of-the-art operatories, refurbish waiting areas, and associated laboratory/examining areas. Also including will be a total renewal of the building's infrastructure including electrical, mechanical, plumbing and data network upgrades.	\$37,170,000	RF
Expand & Renovate - Founders Union Building The project will develop a 54,570 GSF Continuing Education, Professional Development and Conference Center on the University's Shelby Campus. The project includes renovation of 34,570 GSF and construction of a 20,000 GSF addition to the current Founders Union Building.	\$12,190,000	RF
Expand & Renovate - Kornhauser Library The Kornhauser Health Sciences Library is located on the Health Sciences Campus in the downtown Louisville Medical Center Complex. The library, which opened in 1970, has 72,147 gross square feet. The facility was built to meet the needs of the Schools of Medicine and Dentistry. In recent years library collections were added to support the Schools of Nursing, and Public Health. The present building was not designed to accommodate computer technology or to house the needed volumes to support the new schools. This project will renovate the entire existing facility and construct a 20,000 GSF addition to the building. The renovation / addition project is needed to address the research needs for the numerous high level researchers currently on staff or being recruited, and to assist the university in advancing its classification as a Carnegie Research I Institution. It is essential that electrical circuits, data communications, and infrastructure improvements are made to accommodate the use of electronic journals and Internet access. This project will include the installation of compact movable shelving systems and the replacement of entrance doors. The addition will provide additional collections stack areas, student group meeting and learning areas and additional space to enhance library support functions.	\$12,710,000	RF

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
Expand & Renovate - Oppenheimer Hall This project will involve the renovation of the existing 120 year old building (last renovated in 1955) and construction of an addition (new wing) to Oppenheimer Hall. The renovation of the 10,979 GSF facility will include restoration of the exterior (replacement of existing windows & doors and entrance portico) and interior refurbishment of classrooms and departmental / faculty offices along with modernization of building mechanical, lighting and electrical systems. This addition will add approximately 25,092 gross square feet to the existing facility. This will create adequate space to house, in one building, all faculty and staff with the Kent School of Social Work, currently housed in five different locations.	\$7,930,000	RF
Lease - Digital Output System Network Digital Output systems to provide high volume output for research, instructional, and institutional documents.	\$1,000,000	RF
Lease/Purchase - Visualization System Equipment and software for two and three dimensional modeling, animation, illustration and visualization. To support research and instruction in the Health Sciences, Physical Sciences Engineering, Fine Arts, and other disciplines.	\$1,000,000	RF
Purchase - Analytical Scanning Electron Microscope A microscope used to characterize structure and composition in nanomaterials	\$500,000	FF
Purchase - Animal Husbandry Core The Animal Husbandry Core will provide the ability to generate animal models allowing for tissue expression of extopic genes and other site-specific gene modification to be performed including the generation of null and floxed alleles.	\$552,000	FF
Purchase - Artificial Turf - Practice Field Facility This authorization will purchase and install approximately 100,000 square feet of artificial turf to a new outdoor practice field that can be used throughout the year. This facility will serve the football, men's and women's soccer, Frisbee football, and golf programs.	\$750,000	RF
Purchase - Biocontainment Cage Autoclave Biocontainment Cage Autoclave (Building 57). Appropriate decontamination of hazardous biological agents used in research animals requires steam autoclave sterilization to protect research and support personnel as well as the scientific validity of ongoing studies.	\$125,000	RF
Purchase - Cage Washing Equipment Cage Washing Equipment (Building 57). Providing appropriate sanitized and disinfected caging for research animals is a humane, scientific, and regulatory requirement.	\$525,000	RF
Purchase - Cardiology Equipment to Study Cardiac Heart disease is the leading cause of morbidity and mortality in the United States. New studies have shown that there is potential to regenerate damaged heart tissue using stem cells. The cell sorter, scanning laser confocal microscope, and echocardiography equipment are essential items to study how cardiac stem cells and other types of stem cells can be used to create new functional heart tissue after heart attack and permanent damage to the heart.	\$1,160,000	FF
Purchase - CIPHERGEN Protein Chip Biology System Ciphergen Protein Chip Biology System II with automatic loader and washing station. This piece of equipment is required to complete proteomic experiments to understand molecular basis of disease	\$300,000	RF

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
Purchase - Cleanroom Wet Processing System Equipment used to create microelectronic devices	\$400,000	FF
Purchase - Computer Processing System Computer processing systems to provide computing resources in support of administration, instruction and research for faculty, staff, and students.	\$2,000,000	RF
Purchase - Confocal Live Cell Imaging Station Critical for research on infectious disease and inflammation. Allows laser imaging of bacteria that is penetrating and infecting cells, as well as the cells' attempts to destroy the organism. Also critical for studies on inflammation.	\$450,000	RF
Purchase - Digital Communications System Equipment for digital transmission of data, voice, and video. To upgrade and enhance the university communications network. It meets the demand for integrated voice, data, and video technology on both a local and state-wide basis.	\$4,000,000	RF
Purchase - Digital Micro-Luminography System for This Digital Micro-Luminography system for transmission electron microscope (TEM) will upgrade the current TEM and will eliminate the need for photographic film. It would add the capability to digitalize and capture images, enhance the computer-assisted image analysis, augmentation and duplication, and create a central module that can serve all electron microscopes within the Analytical Core Microscopy Lab.	\$135,000	RF
Purchase - Electronic Research Information System This is an on-going project designed to improve and increase access to electronic research information. This enables students, faculty, and researchers to remotely access information anytime, anywhere via the Internet by logging on to the UofL Libraries Web site.	\$1,080,000	RF
Purchase - Enterprise Application System Enterprise software applications to support University operations.	\$2,000,000	RF
Purchase - Equipment Replacement Research & Inst For the University of Louisville to attain its goal of becoming a pre-eminent metropolitan research University, it is essential that the university have the ability to replace outdated research and instructional equipment. The University must acquire new equipment as part of the infrastructure necessary to pursue programs of research that will benefit students, staff, faculty, the university community as well as the Commonwealth of Kentucky.	\$5,000,000	RF
Purchase - Focused Ion Beam/ Scanning Electron M Microscope used to characterize structure and composition in nanomaterials	\$1,000,000	FF
Purchase - Four Temperature & Humidity Control S Temperature and humidity control systems (i.e. Liebert Units) needed to replace existing aging (20+ years)in Ekstrom Library and Art Library and to add a unit to the Kornhauser Library to preserve valuable rare books, manuscripts, and photographs.	\$150,000	RF
Purchase - Gatan Cathodluminescence Detector for The Gatan Cathodluminescence Detector for the Scanning Electron Microscope (SEM)is an enhancement to an existing piece of equipment that will be used to measure electroluminescence of materials	\$250,000	FF
Purchase - High Resolution SEM with Backscatter The high resolution SEM with backscatter detector is a scanning electron microscope which provides state-of-the-art three dimensional information on biological material. This equipment will replace an	\$316,000	RF

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
------------------------------------	---------------------	------------------

obsolete SEM and be a key component of a shared core facility within the basic and clinical science departments and expand the research capabilities.

Purchase - Hot Embosser	\$150,000	FF
Equipment that heats, molds, and presses into plastic substrates to generate plastic microstructures.		

Purchase - HRDS Computer	\$700,000	RF
This equipment is replacement equipment for the Health Research Data System (HRDS) which collects health data, in electronic form, from area hospitals and other providers for use in public health, research, and education.		

Purchase - Imaging Core	\$1,528,000	FF
The Imaging Core will provide methods for analysis of living cells, whole tissues and tissue sections and quantitative analysis of temporal and spatial modulation of cellular phenotype and function.		

Purchase - Inhalation Core	\$325,000	FF
The Inhalation Core will provide the capability for exposure to toxic gases such as ozone, nebulized agents such as endotoxin and ovalbumin, cigarette smoke and particulates such as silica and asbestos.		

Purchase - Intermediate Voltage Transmission Ele	\$605,000	RF
This intermediate voltage transmission electron microscope is used to complete high level resolution studies of whole cells.		

This equipment will extend the capabilities of the laboratory and will be a key component of this shared core facility within the basic and clinical science departments

Purchase - Library Chairs and Tables	\$100,000	RF
A number of existing tables and chairs in Ekstrom, Art, Kornhauser, and Music libraries and the University Archives & Records Center are now between 20 - 35 years old and are in desperate need of replacement.		

Purchase - Linux Cluster Computer System	\$125,000	RF
This will be a computing resource needed to provide capability for performing bioinformatics research and statistical data analysis associated with high-throughput technologies such as genomics, proteomics, and metabolomics. Application areas will include collaboration efforts in molecular modeling, systems biology, birth defects, and cancer.		

Purchase - LPCVD/Oxidation/Diffusion Furnace Sys	\$750,000	FF
The Low Pressure Chemical Vapor Deposition (LPCVD) / Oxidation / Diffusion Furnace System is a piece of equipment used to process microelectronics devices		

Purchase - MALDI-TOF - TOF Mass Spectrometer	\$250,000	RF/OT-P
This spectrometer can be used for routine mass spectrometry and is also capable of acquiring direct sequence information. Such a powerful research tool will help researchers to explore the pathogenesis of various blinding disorders. Information obtained from this spectrometer will also help to develop new drugs and biomarkers to diagnose and treat patients early in the course of diseases.		

Purchase - MTS Structural Actuator	\$200,000	FF
The MTS Structural Actuator is a piece of equipment used to test mechanical structures and components		

Purchase - Multi-Photon Confocal Microscope	\$200,000	RF/OT-P
Fluorescence microscopy at U of L suffers from serious limitations, notably hazed images, rapid photobleaching and phototoxicity. Due to its unique strength over other imaging modes a multi-photon		

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
excitation confocal microscope is of utmost importance, particularly for the study of live cells and/or for thick tissues.		
Purchase - Networking System Networking system to provide high speed integrated voice, data, and video access for campus network WAN and access to external networks.	\$3,000,000	RF
Purchase - New Computers for CBPA The CBPA would like to replace/upgrade all the PC's in the building at the same time to ensure compatibility and ease of maintenance.	\$300,000	RF
Purchase - Olympus FV1000 confocal Utilizes three channel laser technology to analyze samples at the molecular and cellular level. This equipment will advance the capabilities of the laboratory.	\$314,000	RF
Purchase - Patch-Clamp System The patch-clamp system is for the intracellular recording and recording of the channels on the surface of the cell membrane. At this point, our data indicate that the neurotransmission in the nucleus ambiguus is changed during aging and following long-term intermittent hypoxia in vivo model. We will continue to study the change at the cellular level during aging and after intermittent hypoxia.	\$120,000	FF
Purchase - PCs, Printers, Scanners The University Libraries currently have more than 600 PCs and laptops. In order to continue its service of providing up-to-date technology to faculty and students, worn out and outdated PCs and laptops need to be replaced continuously. This is an on-going effort.	\$200,000	RF
Purchase - PECVD System The Plasma Enhanced Chemical Vapor Deposition System (PECVD) is a piece of equipment used to deposit thin coatings of metals and ceramics	\$250,000	FF
Purchase - Profilometer Required tool for microelectronics cleanroom facility	\$300,000	FF
Purchase - Radiographic Fluoroscopic X-Ray System This system will be used to support biomedical research projects that require x-ray/fluoroscopy analysis. The Research Resources facility RRF - animal research facilities was constructed in 1992 without the inclusion of this type of equipment, and it is needed to make it a full service research facility. This equipment will enhance the University's capabilities to meet its research mission.	\$350,000	RF
Purchase - Reactive Chamber Attachment to TEM The reactive chamber attachment to the Transmission Electron Microscope (TEM) is an attachment to an existing piece of equipment used to study the processing of thin films and nanostructures	\$250,000	FF
Purchase - Reactive Ion Etch System Chamber to attach to existing Deep Reactive Ion Etch systems to machine high aspect ratio structures in glass. Will be used to create microelectronic microstructures.	\$200,000	FF
Purchase - Real Estate Near HSC - Parcel II This authorization will be used to purchase property adjacent to the Health Sciences Campus within the current Louisville Medical Center. The university will purchase, should the land become available, a 2.8-acre parcel of land having 11,275 SF of commercial improvements and a 2,790 SF residence. The university will use the existing improvements prior to planned future redevelopment to accommodate campus expansion.	\$3,875,000	RF

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
Purchase - Real Estate Near HSC & Renov Offices This project will purchase property adjacent to the Health Sciences Campus. University of Louisville will purchase, should it become available, 3.38 acres that currently have a 106,428 gross square foot office building. The existing building will house offices for faculty and staff in the School of Medicine.	\$20,500,000	RF
Purchase - Real-Time PCR Analysis Equipment Complete system for hybridization and scanning of microarrays	\$576,000	FF
Purchase - Robotic Cranes (2) for Automated Book These two robotic cranes are in addition to the two robotic cranes currently being installed in the New Wing of the Ekstrom Library. This will complete the automated book storage and retrieval system of the library. This system will provide a highly cost effective use of floor space, storing 1.2 million books, journals, manuscripts, etc., in a space of only 8,000 NSF. This system will provide an efficient and systematic storage and retrieval of library materials in a temperature-controlled environment. Library materials contained in this on-site storage facility can be browsed electronically via Minerva, the University Libraries' on-line catalog.	\$1,700,000	RF
Purchase - Robotic Telescope System Equipment and software to implement a NASA funded robotic telescope and visualization system.	\$1,000,000	FF
Purchase - Sputtering System Equipment used to deposit thin coatings of metals and ceramics	\$250,000	FF
Purchase - Squid Magnetometer Equipment used to measure magnetic properties of materials	\$250,000	FF
Purchase - Storage System Computer processing data storage systems to accommodate storage of research, instruction, and institutional data records and databases.	\$1,000,000	RF
Purchase - Support Service Land (Northeast Quad) This project will allow the university to continue to acquire property consistent with its land use plan to deal with the developmental and expansion needs of Belknap Campus. The property includes five buildings on 4.762 acres of land. The university is currently leasing the land and buildings. The land will be used to consolidate the support services programs of the university to the northeast quadrant of campus.	\$5,095,000	AB
Purchase - Thin Film X-Ray Diffractometer Equipment used to characterize the structure of thin film materials.	\$180,000	FF
Purchase - Transmission Electron Microscope Characterize structure and composition in nanomaterials	\$1,400,000	FF
Purchase - Wavelength Dispersive Spectroscopy Equipment used to characterize elemental composition of materials	\$200,000	FF
Renovate - Chemistry Fume Hood Redesign, Ph II This project will address the second phase of life/safety improvements to the ventilation system in the Chemistry Building, including: replacement of 105 existing fume hoods, installation of an additional 40 hoods for organic laboratories, replacement of the two remaining air handling units, installation of a building VAV control system, energy recovery system, and related ductwork improvements. Upon completion of this work, the building ventilation will have been completely refurbished.	\$4,610,000	RF

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
Renovate - Code Improvement Pool The code improvement project pool will allow the university to address seven different areas, which are: data collection panel, security panels, fire alarm systems, elevators/escalators, emergency generators, sprinkler systems, environmental health and safety projects. The project is necessary to bring university-owned buildings into compliance with current federal and state life and fire safety building codes.	\$3,191,000	RF
Renovate - Ekstrom Library The William F. Ekstrom Library occupies a 257,000 sq. ft. building located in the central part of Belknap Campus. The library offers a number of research and information services along with special collections. The library was designed in 1977 and is in need of major system renewal and renovation to compliment the building addition that is currently in construction. The library was designed and constructed prior to the widespread use of personal computer technology, consequently electrical circuitry and data communications infrastructure is insufficient or non-existent. In recent years the university has undertaken minor renovations to accommodate Collaborative Learning Centers, Cardinal Classware, the student Writing Center and Delphi Center for faculty teaching and technology utilization training, installation of student computer workstations, and group study rooms that were not in the original building construction. This renovation project is needed to address the research requirements of high level researchers currently being recruited and to assist the university in working toward furthering its development as a Carnegie Research I institution. It is essential that electrical circuits, data communications, and cable raceways and conduits be installed and upgraded. Infrastructure improvements are needed to accommodate the use of electronic journals and Internet access. The project also includes refurbishing and updating an auditorium as well as other upgrades to various areas of the library such as stacks, distance education, and serial acquisitions. The building mechanical and electrical systems are in need of major renewal or replacement including replacement of all lighting and HVAC system upgrade to insure greater humidity control.	\$22,081,000	RF
Renovate - Guaranteed Energy Savings (2006-2008) This project will allow U of L to enter into an agreement with a Performance Contractor to reduce our energy usage. Energy savings will be used to pay for facility upgrades/modifications - this will apply to several campus buildings.	\$4,000,000	OT-LTF
Renovate - Housing - Capital Renewal Pool The Capital Renewal Pool will allow the university to address approximately five types of projects: roof replacement, exterior building upgrades, interior building upgrades, mechanical upgrades and life/fire safety code improvements.	\$3,920,000	RF
Renovate - Kersey Library This project will involve the renovation and major refurbishing of the former Kersey Library Building. The 33,482 GSF building will be renovated to serve the expansion needs for instructional programs including computing laboratories and group learning facilities associated with the Speed Scientific School. Additional space will be renovated to accommodate needed faculty office and student service needs. Due to the building's construction prior to the widespread use of personal computers, modern teaching and instructional technologies and its former use as a library, the present facility is inadequate in terms of its data/voice, mechanical, electrical and lighting infrastructure to support these new programs.	\$4,630,000	RF
Renovate - Medical School Tower-55A, Phase II This authorization will renovate 18,652 gross square feet of laboratory, laboratory support, and research office space. The Medical School Tower Building (55A) was opened in 1972 to provide research and academic space for the School of Medicine's Basic Science Departments. Since that time, no significant renovations have taken place. With the changes in research and technology requirements, this project will allow the reconfiguration and updating of two floors of this facility to create more modern and functional research laboratories and associated support spaces.	\$4,225,000	RF

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
------------------------------------	---------------------	------------------

Renovate - Natural Science Building	\$13,380,000	RF
--	---------------------	-----------

This renovation project will refurbish classrooms, department and faculty offices for Mathematics, Physics, and Geology. The project will include renovation of the exterior and a total interior refurbishing of approximately 87,410 gross square feet in the Natural Science Building.

Renovate - PJCS Scoreboard/Video Replacement	\$1,800,000	OT-P
---	--------------------	-------------

The Athletic Association is planning to purchase and install a new scoreboard and video display system at Papa John's Cardinal Stadium. The installation of the scoreboard and video display will increase the capability of the facility to provide important customer information, NCAA required game statistics and timings, and improved revenue generation potential. Modernization and upgrade of this critical fixture in the stadium will reduce maintenance costs and improve quality of words, graphics, and video presentations.

Renovate - Shelby Campus Infrastructure	\$8,740,000	RF
--	--------------------	-----------

The Shelby Campus infrastructure project will construct necessary site improvements needed for the future re-development of campus as a Science and Technology Park including:

- Major new entrance from Hurstbourne Parkway
- Realignment of current Shelbyville Road with Whittington Parkway
- Construction of new campus roadways (main and minor) to facilitate the future development
- Installation of site utilities infrastructure (storm sewer, sanitary, water, gas, electric, telephone, cable and fiber optic, along the new campus roadways.
- Landscape buffer with adjoining residential neighborhood

Shelby Campus Dormitories Demolition	\$436,000	RF
---	------------------	-----------

This project will demolish eight former undergraduate dormitories (building #'s 61E, 61F,61G, 61H, 62A 62B, 62C & 62D), and Central House (Building # 61X) a recreation and dining facility, constructed for the former Kentucky Southern College Campus. The dormitories are not practical assets for either the future re-development of the Shelby Campus or housing undergraduates or graduate students for either of the other two academic campuses. Additionally, portions of these buildings are located within the proposed alignment for the new Campus Access Road, necessitating their demolition for campus re-development and providing needed connections with Hurstbourne Parkway.

Utility Distribution - South Belknap Campus	\$6,821,000	RF
--	--------------------	-----------

The project will extend the Belknap Campus utility distribution system by 1700 lineal feet providing enhanced Steam/Chilled Water, Electrical, Voice and Data services to the areas south of Eastern Parkway. These improvements will complete a South Campus Distribution Loop, ensuring dependable/maintainable utility services to all existing buildings in the Speed Engineering School complex and provide readily available primary utilities for future growth and development of the approximately 12 acres south of Eastern Parkway. Additionally, these utilities extensions will solve long standing building HVAC problems due to lack of chilled water capacity for Ernst Hall, J. B Speed and Sackett Halls which currently cannot be totally served by Central Plant, and rely on out-dated, environmentally unfriendly and inefficient stand alone systems.

2008-2010

Expand - Chilled Water and Electrical Ser Upgrade	\$5,236,000	RF
--	--------------------	-----------

Expand the chiller plant and electrical room approximately 9,744 sq. ft. and increase main electrical feed to campus.

Expand - Papa John's Cardinal Stadium	\$71,700,000	AB
--	---------------------	-----------

The project will expand Papa John's Cardinal Stadium with addition of 45 private boxes including 810 box seats, construction of a 16,100 seat upper deck with access concourse, 2,400 additional lower deck seats in the NE/NW corners, and a "walk-around" concourse on the south side allowing access from new east

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
------------------------------------	---------------------	------------------

side to existing west side upper decks. Additional construction includes access ramps, stair/elevator towers, concession, toilet and other support areas serving the new concourse.

Expand & Renovate - Student Serv Bldg - Houchens	\$14,600,000	RF
---	---------------------	-----------

This project will construct a 40,000 GSF addition and renovate 53,615 GSF of the existing Houchens Building to create efficient space for consolidation of student services and support functions into a single facility. University student services and support units are currently located in various locations through-out the campus. Services and support units currently being considered include Student Health and Counseling, Disability Resource Center and Residence Administration Housing and Residence Life. Additional project work includes development of a new, accessible main entrance to the Houchens Building, demolition of the Student Health and Counseling building (former Urban Renewal Building) and development of a new plaza and pedestrian link to the Floyd Street parking facility.

Renovate - Burhans Hall	\$6,501,000	RF
--------------------------------	--------------------	-----------

This project will renovate 72,700 GSF in Burhans Hall located on the Shelby Campus. The building was originally constructed as a classroom and administration building. It was designed in 1960 and needs major system renewal and renovation to complement its emerging role as one of two major university facilities in the Shelby Campus Science and Technology Park.

Renovate - Gottschalk Hall	\$2,954,000	RF
-----------------------------------	--------------------	-----------

The project will include restoration of the exterior and a total interior renovation of the 10,842 GSF architecturally significant Gottschalk Hall building on the main campus quadrangle. The building is one hundred and eighteen years old and has received only minimal renovation since its last modernization in 1953. This renovation will include historical restoration of the exterior including replacement of existing windows, door systems, entrance and cornice features. Interior renovation will refurbish classrooms and faculty offices. Additional work will include modernization of building mechanical, lighting and electrical systems. The renovation of Gottschalk Hall will increase the useful life of this facility and enhance the Arts and Sciences programs housed within.

Renovate - Guaranteed Energy Savings (2008-2010)	\$4,000,000	OT-LTF
---	--------------------	---------------

This project will allow U of L to enter into an agreement with a Performance Contractor to reduce our energy usage. Energy savings will be used to pay for facility upgrades/modifications - this will apply to several campus buildings.

Renovate - J. B. Speed Building	\$7,846,000	RF
--	--------------------	-----------

The project will include renovation of the exterior and a total interior renovation of 40,974 GSF J. B. Speed Building, the centerpiece structure of J.B. Speed School of Engineering. The building is a sixty-three year-old facility and has received only minimal renovation since original construction (1942). This renovation will involve restoration of the exterior including replacement of existing windows and door systems. Interior renovation will refurbish classrooms, departmental and faculty offices, and convert technologically outdated teaching lab space to needed modern teaching laboratories or new faculty office space. Additional work will include modernization of building mechanical, lighting and electrical systems.

Renovate - Jouett Hall	\$2,621,000	RF
-------------------------------	--------------------	-----------

The project will include restoration of the exterior and a total interior renovation of 9,591 GSF architecturally significant Jouett Hall building on Belknap Campus. The building is one hundred and nineteen years old and has received only minimal renovation since its last modernization in the early 1970's. This renovation will include historical restoration of the exterior including replacement of existing windows, door systems, entrance and cornice features. Interior renovation will refurbish offices and support spaces serving the offices of Senior Vice President for Research including Office of Grants Management, Office of Sponsored Programs Development, Research Integrity Program and Office of Technology Development. Additional work will include modernization of building mechanical, lighting and electrical systems. The renovation of Jouett Hall will increase the useful life of this facility and enhance the programs housed within.

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
------------------------------------	---------------------	------------------

Renovate - KY Lions Eye Research Institute

\$7,866,000

RF

This project will renovate the entire original portions (42,078 GSF) of the Kentucky Lions Eye Research Building, the building is 36 years old (1969) and in need of major renovation, modernization and renewal of building systems to continue its mission. Over the past several years, the university has renovated small areas of this facility into modern and functional laboratories and associated support spaces to foster both its vital research and clinical programs. This project will address renovation and modernization of all remaining areas having yet to be renewed. Work will include replacement / modernization of building mechanical, electrical voice and data systems to insure renovated labs and general facilities meet all environmental, air quality and OSHA requirements for fume hoods and other safety equipment.

Renovate - Law School

\$18,985,000

RF

Louis D. Brandeis School of Law occupies a total of 144,186 GSF and is comprised of three attached buildings: the original building constructed in 1939; west addition in 1974; and east addition in 1979. Little significant building renovation or modernization has occurred since completion of the 1979 addition. This project will include a total building renovation to create a more efficient facility. Building system improvements will include modernization of voice/data, mechanical, electrical and lighting systems along with exterior envelope renovation and replacement of windows and entrance doors.

Renovate - Medical School Tower-55A, Phase III

\$4,647,000

RF

This authorization will renovate 18,652 gross square feet of laboratory, laboratory support, and research office space. The Medical School Tower Building (55A) was opened in 1972 to provide research and academic space for the School of Medicine's Basic Science Departments. Since that time, no significant renovations have taken place. With the changes in research and technology requirements, this project will allow the reconfiguration and updating of two floors of this facility to create more modern and functional research laboratories and associated support spaces.

Renovate - Miller Hall

\$11,541,000

AB

This authorization will allow the University to renovate approximately 66,000 SF and construct a 2,750 SF addition to the existing facility. The 40-year old facility is in need of major renewal for building systems (HVAC, plumbing, voice/data, electrical, roof and window replacement). The addition will improve the existing building by adding more lounge space, adding bathrooms and providing more administrative space. These improvements will enhance the student life experience while making the residence hall more competitive in meeting student living and academic needs.

Renovate - Threlkeld Hall

\$9,619,000

AB

This authorization will allow the University to renovate approximately 65,300 SF and construct a 1,300 SF addition to the existing facility. The 44-year old facility is in need of major renewal for building systems (HVAC, plumbing, voice/data, electrical, roof and window replacement). The addition will improve the existing building by adding more lounge space, adding bathrooms and providing more administrative space. These improvements will enhance the student life experience while making the residence hall more competitive in meeting student living and academic needs.

2010-2012

Renovate - Guaranteed Energy Savings (2010-2012)

\$4,000,000

OT-LTF

This project will allow U of L to enter into an agreement with a Performance Contractor to reduce our energy usage. Energy savings will be used to pay for facility upgrades/modifications - this will apply to several campus buildings.

Renovate - Medical School Tower-55A, Phase IV

\$5,112,000

RF

This authorization will renovate 18,652 gross square feet of laboratory, laboratory support, and research office space. The Medical School Tower Building (55A) was opened in 1972 to provide research and academic space for the School of Medicine's Basic Science Departments. Since that time, no significant renovations have taken place. With the changes in research and technology requirements, this project

Project Title / Description

Total Budget

Source(s)

will allow the reconfiguration and updating of two floors of this facility to create more modern and functional research laboratories and associated support spaces.

Renovate - Stevenson Hall

\$5,880,000

AB

This authorization will allow the University to renovate approximately 40,000 SF in this existing facility. The 46-year old facility is in need of major renewal for building systems (HVAC, plumbing, voice/data, electrical, roof and window replacement). These improvements will enhance the student life experience while making the residence hall more competitive in meeting student living and academic needs.

***Notes**

- Priority rankings were required to be assigned only to those projects proposed to be financed from the state General Fund (cash or bonds) in 2006-08; all other projects are listed in alphabetical order.
- Descriptions are as provided in the "Brief Description and Justification" field of the agency's capital plan submission.
- Sources: AB = Agency Bonds; FF = Federal Funds; RF = Restricted Funds; OT = Other Funds; TF = Road Fund